



Sargent & Greenleaf, Inc.

Safe Deposit Lock Glossary

DUAL CUSTODY LOCK - a lock which can be opened only by the use of two different keys or the entering of two different combinations.

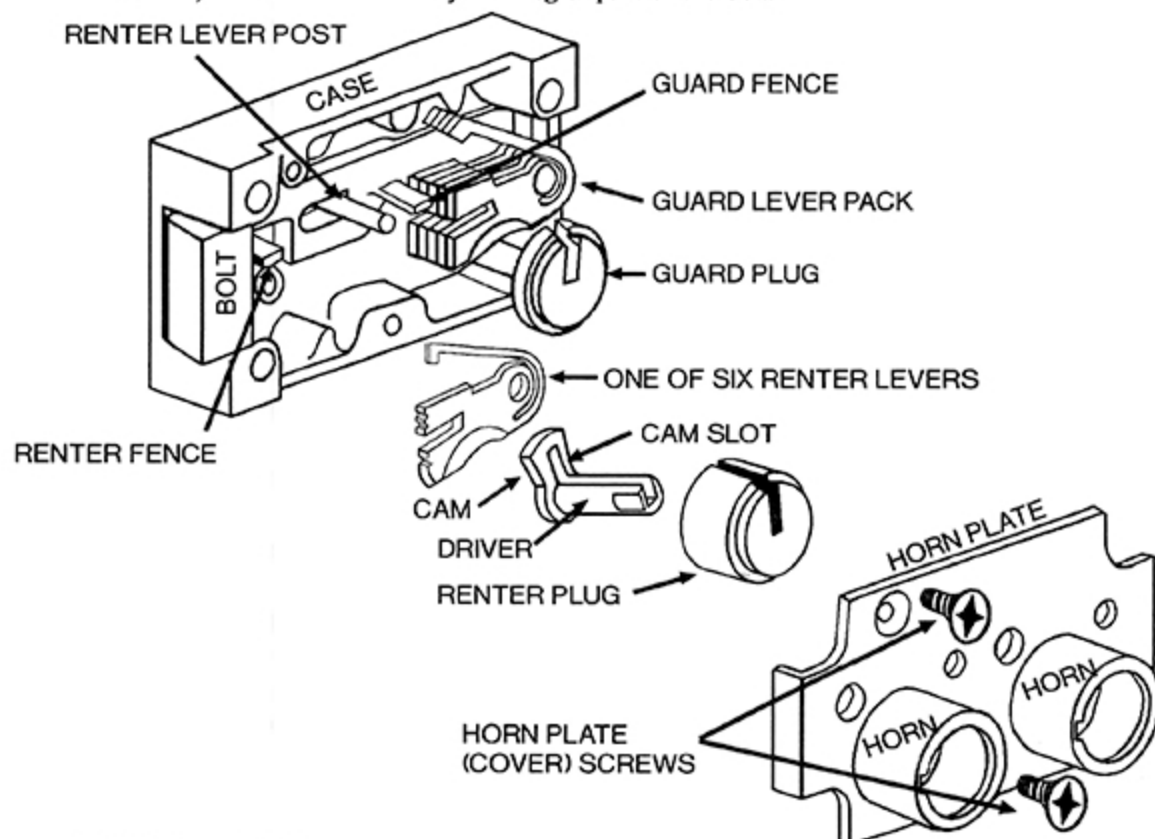
CASE - the housing for all lock parts, with the exception of the keys.

HORN PLATE - the lock cover plate ; the horn is an integral part of the horn plate.

HORN - the cylindrical projection on the horn plate ; it acts as a housing for the plug(s).

PEEK HOLE - a hole through the horn plate, located in line with the area where the fence(s) enter properly aligned lever gates ; generally not present in locks equipped with multi-part fences.

BOLT - the sliding assembly which holds a safe deposit door closed and which is controlled by the driver cam ; the fences are usually an integral part of the bolt.



RENTER FENCE - the projection(s) with which the renter lever gates must align before the bolt can be moved to the unlocked position.

GUARD FENCE - the projection(s) with which the guard or prep lever gates must align before the bolt can be moved to the unlocked position.

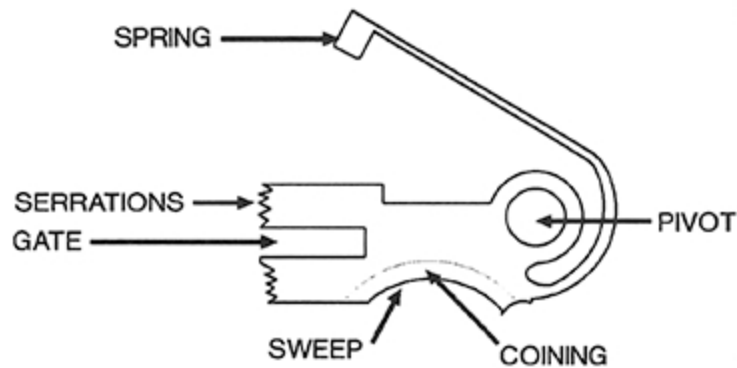
CAM - the component attached to the driver (on the renter side) which controls bolt movement.

CAM SLOT - an opening in the cam to accept the tip of the key.

DRIVER - a spindle connecting the plug and cam ; it is slotted along its length to provide a guide for the key.

PLUG - the cylindrical fitting containing the keyway ; it is attached to, or is part of, the spindle and driver.

SARGENT & GREENLEAF LEVER FOR FIXED SAFE DEPOSIT LOCK



RENTER PLUG - the plug closest to the opening edge of the safe deposit door ; it accepts the renter's key.

GUARD PLUG - the plug closest to the hinge side of the safe deposit door ; it accepts the guard key.

LEVER POST - a fixed, cylindrical rod attached to, or cast as part of, the lock case, which serves as a bearing surface and pivot for the levers.

LEVER TUMBLER - usually referred to as simply a lever, it is a flat, spring-loaded tumbler which pivots on a post ; it contains a gate which must be aligned with a fence to allow movement of the bolt.

GATE - a notch cut into the edge of a tumbler to accept a fence or sidebar.

SERRATIONS - similar notches in the fence(s) and along the gate opening edge of the lever(s) ; the purpose of the serrations is to inhibit picking.

NEGATIVE LOCKING - locking achieved solely by spring pressure or gravity which prevents a key cut too deeply from operating a lock or cylinder.

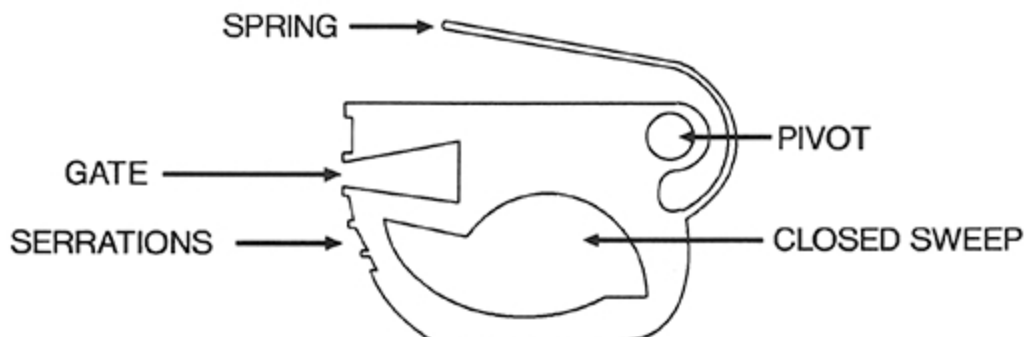
POSITIVE LOCKING - the condition brought about when a key cut which is too high forces its tumbler into the locking position ; this type of locking does not rely on gravity or spring pressure.

LEVER SPRING - a spring which is either staked into or is manufactured as part of the lever ; it pushes the lever into a negative locking position.

RENTER LEVER PACK - the stack of levers whose gates must be aligned with the renter's fence (normally by use of the renter's key) before the bolt can be moved to the unlocked position.

GUARD LEVER PACK - the stack of levers whose gates must be aligned with the guard fence (normally by use of the guard key) before the bolt can be moved to the unlocked position.

SARGENT & GREENLEAF LEVER FOR CHANGEABLE LOCK



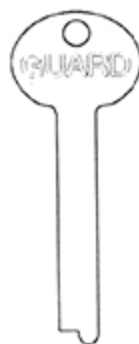
RENTER'S KEY - a key which must be used together with a guard key, prep key or an electronic release (in the case of electronic locks) to unlock a safe deposit lock ; renters' keys are usually bitted differently for every unit within an installation.

GUARD KEY - a key which must be used in conjunction with a renter's key to unlock a safe deposit lock ; it is usually the same for every lock within an installation ; sometimes called a *prep* key.



.070 THICK
.315 WIDE

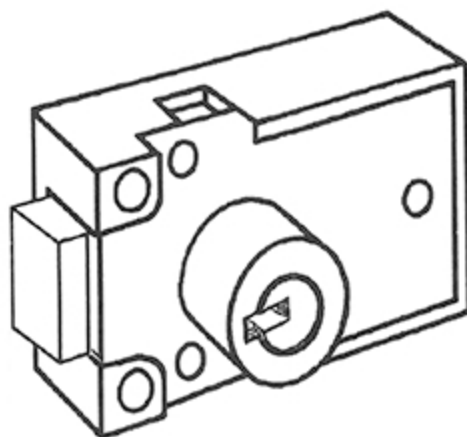
No. 96 Renter Key
Blank for 4440



.080 THICK
.275 WIDE

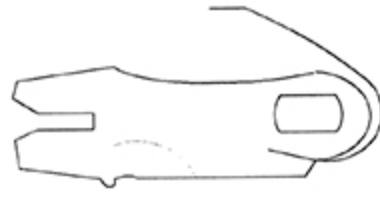
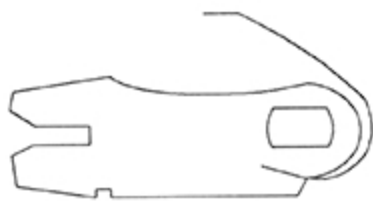
No. 87H Guard Key
Blank for 4440

PREP KEY - a type of guard key for a safe deposit box lock with only one keyway ; it must be turned once and withdrawn before the renter's key will unlock the unit.



S&G MODEL 259 1/2 SINGLE NOSE SAFE DEPOSIT LOCK AND
NO. 53 KEY BLANK CUT TO A PREP KEY. THE NO. 53 BLANK IS
USED TO CUT BOTH RENTER AND PREP KEYS.

SLIDE LEVER - a lever with an elongated post hole and a notch or projection on its sweep ; it is designed as a guard lever for single horn safe deposit locks.



BOW - the portion of the key which serves as a grip or handle.

BLADE - the portion of a key which may contain the cuts and/or milling.

ROOT DEPTH - the dimension from the bottom of a cut on a key to the bottom of the blade.

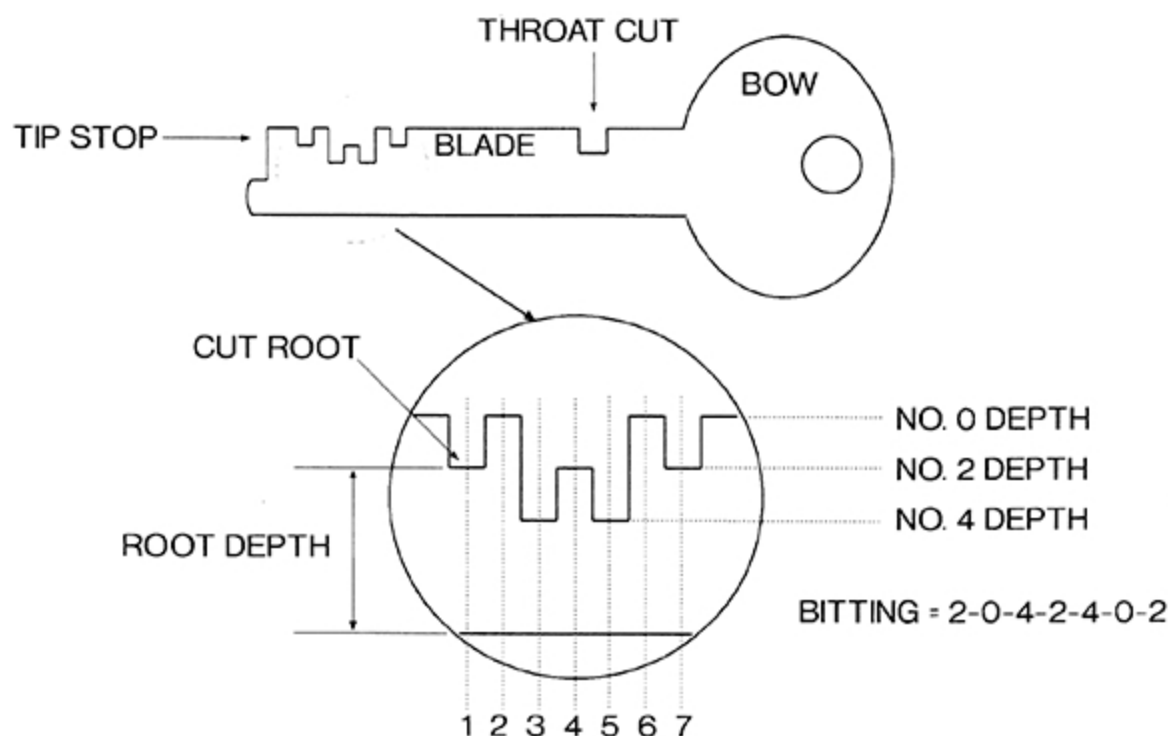
CUT ROOT - the bottom of a key cut.

CUT ROOT SHAPE - the shape of the bottom of a key cut ; in the case of a lever lock, the cut root shape will be flat with ninety-degree corners.

STOP (OF A KEY) - the part of a key from which all cuts are indexed and which determines how far the key enters the keyway.

TIP STOP - a type of stop located at or near the tip of the key.

SPACING - the dimensions from the stop to the center of the first cut and/or to the centers of successive cuts.



SPACING IS MEASURED FROM THE TIP STOP TO THE CENTER OF THE FIRST CUT - THE BITTING NUMBER REPRESENTS DEPTHS OF THE CUTS, BEGINNING WITH THE ONE NEAREST THE TIP STOP

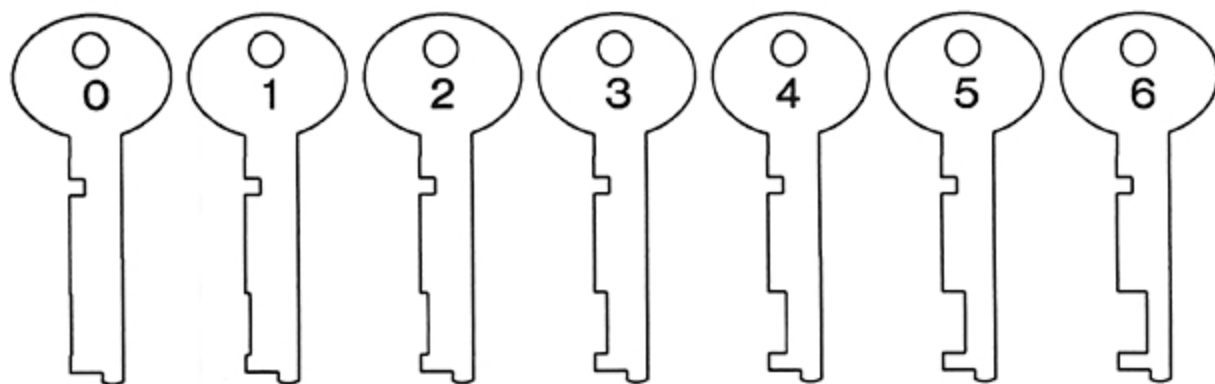
THROAT CUT - also known as the *shelf cut* ; the cut near the bow of a safe deposit key, which bypasses the portion of the horn which retains the plug from the top.

BITTING - the numbers which represent the dimensions of the key cuts ; expressed in simple numbers or letters, as opposed to actual measurements.

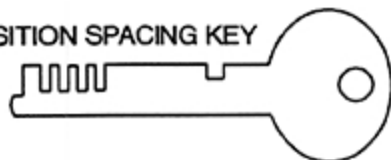
BITTING DEPTH - the depth of a cut which is made into the blade of a key.

BITTING POSITION - the location of a key cut, as referenced from the key stop.

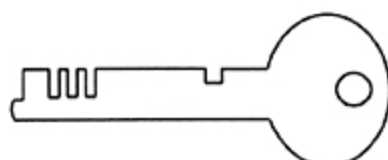
COMBINATION - the group of numbers which represent the bitting of a key and/or the tumblers of a lock or cylinder.



ODD BITTING POSITION SPACING KEY



EVEN BITTING POSITION SPACING KEY



DEPTH KEY SET - a set of keys used to make a code original key to a lock manufacturer's given set of key bitting specifications, using a duplicating machine ; each key is cut with the correct spacing to one depth only in all bitting positions, with one key for each depth.

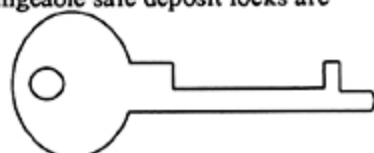
FACTORY ORIGINAL KEY - the cut key furnished by the lock manufacturer for a lock or cylinder.

CODE ORIGINAL KEY - a code key which conforms to the lock manufacturer's specifications.

KEY ENVELOPES - tamper resistant envelopes in which unused safe deposit keys are sealed until presented to the renter for use.

SET-UP KEY - a key with identical bittings ; new and unused changeable safe deposit locks are usually set to this key.

PICK KEY - a key with the highest possible bitting in just the first bitting position ; all other bittings are cut away, so just one lever can be manipulated at a time.

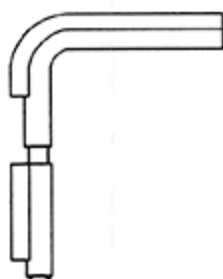


FIXED LEVER - a lever whose combination cannot be changed ; it will require the same number key cut to align its gate with the corresponding fence (ie. a #4 lever requires a corresponding #4 key cut).

CHANGE TOOL - a tool used to change the combination of a lock without disassembly.

CHANGEABLE LEVER - a lever consisting of two parts whose relationship can be changed (with the use of a change tool), requiring a key with a different root cut depth to bring the gate into alignment with the fence.

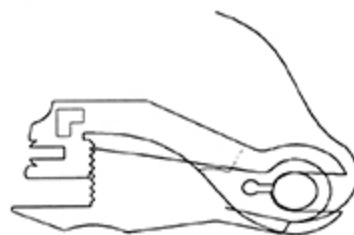
CHANGE TOOL



DETENT



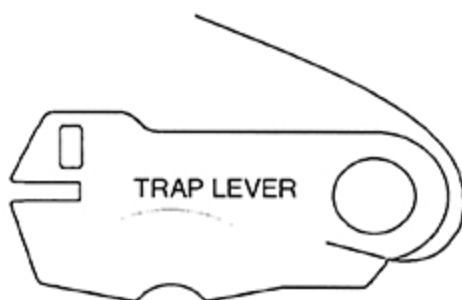
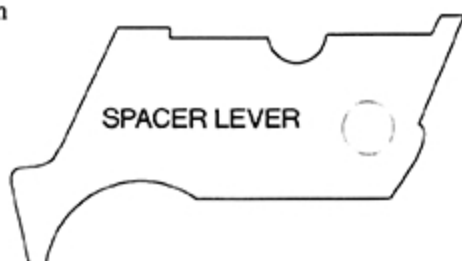
SWEEP



DETENT - the component of a changeable lever which can (by use of a changing tool) be separated from the sweep lever in order to change the distance between the sweep and the gate ; the detent contains the gate.

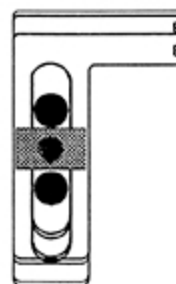
SWEEP - the portion of the lever contacted by the key cut ; it is almost always radiused and often coined - or - the component of a changeable lever which contains the sweep portion of the lever, as opposed to the "detent", which contains the gate.

SPACER LEVERS - thin, stationary, metallic plates used to isolate changeable levers from each other.

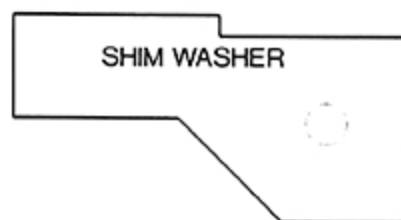


TRAP LEVER - a lever in a lock with changeable levers which prevents insertion of the changing tool until the lockout lever is properly aligned by the guard or prep key, and prevents removal of the change tool while the changeable levers' detents and sweeps are separated. Sometimes called a lockout lever.

CHANGEABLE FENCE - a multi-part fence which (with the use of a change tool) can align each of its individual parts with the gate in its corresponding lever ; there is one fence section for each lever, and the collection of fences is held together in the proper position by a clamp and screw assembly.



CHANGEABLE FENCE



MATCH WORK - the process of configuring a guard lever pack to conform to the guard key specifications of an existing group of safe deposit locks ; when the sample guard key is made by a different manufacturer than the one who makes the replacement or additional new locks, the sample guard key is known as a *stranger key*.

SHIM WASHERS - thin washers used to space lever tumblers to match key cut spacings ; used in match work - S&G shims are .016, .025, .039, .048, .057 and .073 inch thick.

BOND BOX - the removable box in which valuables are kept inside a safe deposit box ; it is usually made of sheet metal or plastic.

HAND OF DOOR - easily determined by referencing the hinge side of the door :

Right-hand - hinges on right side of door

Left-hand - hinges on left side of door

STRIKE - a metallic plate which is attached to the door frame and is slotted to accept the lock bolt.

REBATE - a safe deposit frame configuration which accepts and blocks the lock bolt, thus locking the door.